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(54) PRODUCTION OF SUBSTRATE PROVIDED
WITH METAL OXIDE FILM

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(57) Abstract:

PURPOSE: To improve the adhesion of the metal oxide film obtained on a conductive substrate or a conductive dielectric substrate by an electrophoretic electrodeposition method and to form a transparent metal oxide film.

CONSTITUTION: A conductive substrate or a dielectric substrate whose surface is made conductive is dipped in a soln. contg. a metal oxide colloid, an organometallic compd., water, alcohol and a base. A voltage is impressed between the substrate and a counter electrode set in the soln., and the metal oxide colloid is subjected to electrophoresis on the surface of the substrate to form an electrodeposited film. The deposited film is heat-treated to produce the substrate provided with the metal oxide film.

